

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13 Carrots		Page 1 of 6
Title: Commodity Specific Requirements for Carrots		
Revision: 3	Replaces: 01/01/06	Effective: 04/01/06

1. Purpose:

To provide a listing of PDP identified required compounds for carrots.

2. Scope:

This standard operating procedure (SOP) shall be followed by all laboratories analyzing carrots for PDP. This SOP shall be used in conjunction with QC-13, which specifies procedures for selecting marker compounds and process controls and identifies PDP commodity groupings.

3. References:

- PDP Program Plan, January through June, 2006
- Pesticide Chemical News Guide (PCNG)
- PDP 2000-2001 Program Planning Meeting, April 26, 2000
- SOP PDP-QC-13, "Required Compounds, Marker Pesticides, Process Control Compounds, and PDP Commodity Groupings"
- PDP Federal/State Meeting, October 26 - 28, 1999

4. Specific Procedures:

This SOP represents minimum PDP requirements and is presented as a general guideline. Each laboratory shall have written procedures that provide specific details concerning how the procedure has been implemented in that laboratory.

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13 Carrots		Page 2 of 6
Title: Commodity Specific Requirements for Carrots		
Revision: 3	Replaces: 01/01/06	Effective: 04/01/06

Compounds Required for Carrot Multi Residue Screens

Carrot Compound	Reported As	Pest Code	Priority
1-Naphthol ¹		382	2
Acephate ¹		204	1
Aldrin		001	3
Azoxystrobin		ACX	2
Bendiocarb		658	2
BHC alpha		903	3
Bifenthrin		930	1
Boscalid		AEO	2
Captan ¹	Captan and/or	011	3
	Tetrahydrophthalimide (THPI)	624	
Carbaryl		102	2
Carfentrazone ethyl		B21	4
Chlordane	Chlordane-cis and/or	173	3
	Chlordane-trans or	172	
	Chlordane (total)	014	
Chlorothalonil ¹		164	3
Chlorpyrifos		160	1
Clothianidin		AEP	2
Cyfluthrin		781	1
Cyhalothrin	Cyhalothrin, lambda and	AEM	1
	Cyhalothrin, R157836 epimer or	AEN	
	Cyhalothrin, total (L-cyhalothrin +	AEL	
	R157836 epimer)		
Cypermethrin		597	1
Cyprodinil		B22	3
DDD	DDD o,p' and/or	909	3
	DDD p,p' or	908	
	DDD (total)	087	

¹ Required only on samples received by CA1 from CA and MD. Analysis by MI1 on samples received from CO, FL, MI, NY, OH, TX, WA, and WI is not required.

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13 Carrots		Page 3 of 6
Title: Commodity Specific Requirements for Carrots		
Revision: 3	Replaces: 01/01/06	Effective: 04/01/06

Carrot Compound	Reported As	Pest Code	Priority
DDE	DDE o,p'	911	3
	And/or DDE p,p'	910	
	Or DDE (total)	300	
DDT	DDT o,p' and/or	907	3
	DDT p,p' or	906	
	DDT (total)	022	
Deltamethrin (includes parent tralomethrin)		612	1
Diazinon		024	1
Diazinon O-analog		395	1
Dicloran		144	3
Dieldrin		028	3
Endosulfan I		900	3
Endosulfan II		901	3
Endosulfan sulfate		902	3
Endrin		034	3
EPTC ²		200	3
Esfenvalerate/Fenvalerate	Fenvalerate+Esfenvalerate	ADE	1
Fludioxonil		B23	3
Fluridone		736	3
Imidacloprid ¹		967	2
Iprodione		626	3
Lindane		050	3
Linuron ¹		129	3
Malathion		052	1
Malathion O-analog		208	1
Metalaxyl		607	3
Methamidophos ¹		170	1
Methomyl		159	2

² Required only on samples received by MI1 from CO, FL, MI, NY, OH, TX, WA, and WI. Analysis by CA1 on samples received from CA and MD is not required.

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13 Carrots		Page 4 of 6
Title: Commodity Specific Requirements for Carrots		
Revision: 3	Replaces: 01/01/06	Effective: 04/01/06

Carrot Compound	Reported As	Pest Code	Priority
Methoxychlor	Methoxychlor o,p' and/or	274	3
	Methoxychlor p,p' or	275	
	Methoxychlor (total combined)	055	
Methoxyfenozide		AES	3
Metribuzin		181	2
Myclobutanil		679	2
o-Phenylphenol ¹		083	3
Oxamyl		537	2
Oxamyl oxime		A47	2
Prallethrin		ADC	1
Prometryn		249	2
Propetamphos		636	1
Pyraclostrobin		AFG	2
Pyriproxyfen		B24	3
Resmethrin	Resmethrin cis and/or	AEJ	1
	Resmethrin trans or	AEK	
	Resmethrin (total)	556	
Spinosad ¹	Spinosad A and/or	ABC	3
	Spinosad D or	ABD	
	Spinosad (total)	ABB	
Thiabendazole		157	3
Thiamethoxam		B43	2
Trifloxystrobin		ADQ	2
Trifluralin		151	3

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13 Carrots		Page 5 of 6
Title: Commodity Specific Requirements for Carrots		
Revision: 3	Replaces: 01/01/06	Effective: 04/01/06

Chris Pappas

3/29/06

Revised By: Chris Pappas
PDP Document Control Officer, Monitoring Programs Office
8609 Sudley Road, Suite 206
Manassas, VA 20110
(703) 330-2300

Date

Theresa Struble

3-25-06

Reviewed By: Theresa Struble
Presiding Member of PDP Technical Advisory Group
Michigan Department of Agriculture
Laboratory Division
1615 South Harrison Road
East Lansing, MI 48823
(517) 337-5105

Date

Diana Haynes

3/29/06

Approved By: Diana Haynes
PDP Technical Director, Monitoring Programs Office
8609 Sudley Road, Suite 206
Manassas, VA 20110
(703) 330-2300

Date

Martha Lamont

03/29/06

Approved By: Martha Lamont
PDP Program Administrative Director, Monitoring Programs Office
8609 Sudley Road, Suite 206
Manassas, VA 20110
(703) 330-2300

Date

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13 Carrots		Page 6 of 6
Title: Commodity Specific Requirements for Carrots		
Revision: 3	Replaces: 01/01/06	Effective: 04/01/06

Revision 3

January 2006

Monitoring Programs Office

-
- Deleted 2,4-D; 5-hydroxythiabendazole; bensulide; carbendazim; clethodim; diquat; fluazifop butyl; glyphosate; hydroprene; mancozeb; maneb; methyl bromide; paraquat; sethoxydim; sulfosate; and ziram
 - Removed CA1 testing requirements for EPTC
 - Removed MI1 testing requirements for acephate, captan, chlorothalonil, imidacloprid, linuron, methamidophos, ortho-phenylphenol, and spinosad
-